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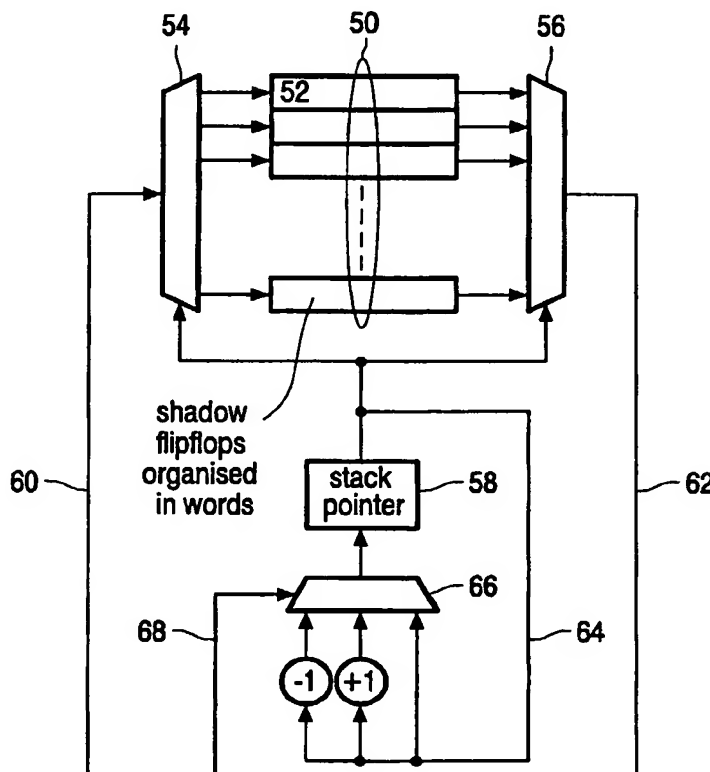
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(54) Title: METHOD AND APPARATUS FOR HANDLING NESTED INTERRUPTS



(57) Abstract: A data processor comprises one or more functional units, one or more register files, a data memory, and a snapshot buffer which during the handling of an interrupt condition accommodates to save state informations of various processor state elements in respective snapshot buffer elements. In particular, the data processor being comprises controller means that are arranged for upon a subsequent interrupt condition that occurs during the handling of an actual interrupt condition saving the contents of said snapshot buffer elements in a data memory facility having a multibit access port facility.